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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/791,814

DATE: 08/16/2004

TIME: 09:08:55

Input Set : A:\2004-08-10 2121-0180P.ST25.txt

Output Set: N:\CRF4\08162004\J791814.raw

3 <110> APPLICANT: GUY, GOROCHOV ET AL.
 5 <120> TITLE OF INVENTION: METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF
 CHEMOKINE VARIANTS

7 <130> FILE REFERENCE: 2121-0180P
 9 <140> CURRENT APPLICATION NUMBER: US 10/791,814
 10 <141> CURRENT FILING DATE: 2004-03-04
 12 <150> PRIOR APPLICATION NUMBER: US 09/945,665
 13 <151> PRIOR FILING DATE: 2001-09-05
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP 02/11045
 16 <151> PRIOR FILING DATE: 2002-09-05
 18 <160> NUMBER OF SEQ ID NOS: 38
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 10
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Unknown
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

30 <400> SEQUENCE: 1
 32 Leu Ser Pro Val Ser Ser Gln Ser Ser Ala
 33 1 5 10

ENTERED

P 9

36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 10
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Unknown
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

44 <400> SEQUENCE: 2
 46 Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala
 47 1 5 10

50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 10
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Unknown
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

58 <400> SEQUENCE: 3
 60 Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
 61 1 5 10
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 10

66 <212> TYPE: PRT
67 <213> ORGANISM: Unknown
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
72 <400> SEQUENCE: 4
74 Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
75 1 5 10
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 10
80 <212> TYPE: PRT
81 <213> ORGANISM: Unknown
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
86 <400> SEQUENCE: 5
88 Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
89 1 5 10
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 10
94 <212> TYPE: PRT
95 <213> ORGANISM: Unknown
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
100 <400> SEQUENCE: 6
102 Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
103 1 5 10
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 10
108 <212> TYPE: PRT
109 <213> ORGANISM: Unknown
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
114 <400> SEQUENCE: 7
116 Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
117 1 5 10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 10
122 <212> TYPE: PRT
123 <213> ORGANISM: Unknown
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
128 <400> SEQUENCE: 8
130 Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
131 1 5 10
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 10
136 <212> TYPE: PRT
137 <213> ORGANISM: Unknown
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
142 <400> SEQUENCE: 9

144 Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
145 1 5 10

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148 <210> SEQ ID NO: 10
149 <211> LENGTH: 10
150 <212> TYPE: PRT
151 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
156 <400> SEQUENCE: 10
158 Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
159 1 5 10
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
170 <400> SEQUENCE: 11
172 Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
173 1 5 10
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Unknown
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
184 <400> SEQUENCE: 12
186 Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
187 1 5 10
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 10
192 <212> TYPE: PRT
193 <213> ORGANISM: Unknown
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
198 <400> SEQUENCE: 13
200 Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
201 1 5 10
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Unknown
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
212 <400> SEQUENCE: 14
214 Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
215 1 5 10
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 10
220 <212> TYPE: PRT

221 <213> ORGANISM: Unknown

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223 <220> FEATURE:
224 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
226 <400> SEQUENCE: 15
228 Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala
229 1 5 10
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: Unknown
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
240 <400> SEQUENCE: 16
242 Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
243 1 5 10
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 10
248 <212> TYPE: PRT
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
254 <400> SEQUENCE: 17
256 Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
257 1 5 10
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 10
262 <212> TYPE: PRT
263 <213> ORGANISM: Unknown
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
268 <400> SEQUENCE: 18
270 Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
271 1 5 10
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 9
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: tag HA 1.1 peptide sequence
283 <400> SEQUENCE: 19
285 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
286 1 5
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 39
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: PCR downstream primer
298 <400> SEQUENCE: 20
299 tggggccctt ctagacatct ccaaagagtt gatgtactc

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Input Set : A:\2004-08-10 2121-0180P.ST25.txt
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302 <210> SEQ ID NO: 21
 303 <211> LENGTH: 99
 304 <212> TYPE: DNA
 305 <213> ORGANISM: Artificial sequence
 307 <220> FEATURE:
 308 <223> OTHER INFORMATION: PCR upstream primer
 310 <220> FEATURE:
 311 <221> NAME/KEY: Unsure
 312 <222> LOCATION: (25)..(25)
 313 <223> OTHER INFORMATION: n = a, t, c or g
 315 <220> FEATURE:
 316 <221> NAME/KEY: misc_feature
 317 <222> LOCATION: (25)..(26)
 318 <223> OTHER INFORMATION: n is a, c, g, or t
 320 <220> FEATURE:
 321 <221> NAME/KEY: misc_feature
 322 <222> LOCATION: (31)..(31)
 323 <223> OTHER INFORMATION: n is a, c, g, or t
 325 <220> FEATURE:
 326 <221> NAME/KEY: misc_feature
 327 <222> LOCATION: (34)..(35)
 328 <223> OTHER INFORMATION: n is a, c, g, or t
 330 <220> FEATURE:
 331 <221> NAME/KEY: misc_feature
 332 <222> LOCATION: (43)..(44)
 333 <223> OTHER INFORMATION: n is a, c, g, or t
 335 <220> FEATURE:
 336 <221> NAME/KEY: misc_feature
 337 <222> LOCATION: (46)..(46)
 338 <223> OTHER INFORMATION: n is a, c, g, or t
 340 <220> FEATURE:
 341 <221> NAME/KEY: misc_feature
 342 <222> LOCATION: (49)..(49)
 343 <223> OTHER INFORMATION: n is a, c, g, or t
 345 <220> FEATURE:
 346 <221> NAME/KEY: misc_feature
 347 <222> LOCATION: (52)..(52)
 348 <223> OTHER INFORMATION: n is a, c, g, or t
 350 <400> SEQUENCE: 21
 W--> 351 ctcgccggcccc agccggccat ggccnnktcc ncannktcct cgnnknccnc ancctgctgc 60
 353 ttgcctaca ttgcgcggcc gctgccccgt gcccacatc 99
 357 <210> SEQ ID NO: 22
 358 <211> LENGTH: 10
 359 <212> TYPE: PRT
 360 <213> ORGANISM: Unknown
 362 <220> FEATURE:
 363 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)
 365 <400> SEQUENCE: 22
 367 Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/791,814

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Input Set : A:\2004-08-10 2121-0180P.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 25,26,31,34,35,43,44,46,49,52
Seq#:24; Xaa Pos. 1,3,4,8,9,10
Seq#:25; Xaa Pos. 4
Seq#:26; Xaa Pos. 8
Seq#:28; Xaa Pos. 1,3,4,7,8,9,10
Seq#:29; Xaa Pos. 4
Seq#:37; Xaa Pos. 7
Seq#:38; Xaa Pos. 10

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,28
Seq#:2; Line(s) 42
Seq#:3; Line(s) 56
Seq#:4; Line(s) 70
Seq#:5; Line(s) 84
Seq#:6; Line(s) 98
Seq#:7; Line(s) 112
Seq#:8; Line(s) 126
Seq#:9; Line(s) 140
Seq#:10; Line(s) 154
Seq#:11; Line(s) 168
Seq#:12; Line(s) 182
Seq#:13; Line(s) 196
Seq#:14; Line(s) 210
Seq#:15; Line(s) 224
Seq#:16; Line(s) 238
Seq#:17; Line(s) 252
Seq#:18; Line(s) 266
Seq#:22; Line(s) 363
Seq#:23; Line(s) 377

VERIFICATION SUMMARY

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Input Set : A:\2004-08-10 2121-0180P.ST25.txt
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L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0